AMENDMENTS TO THE CLAIMS

1. (**Currently Amended**) A lithium ion secondary cell comprising a positive electrode **[[,]]** and a negative electrode which are spirally wound with inserting a separator therebetween and a non-aqueous electrolytic solution wherein said negative electrode comprises a negative electrode active material containing a carbonaceous material having a spacing d_{002} of 0.3360 nm or less where the spacing d_{002} is a plane distance of (002) planes measured by a X-ray diffraction method, a crystal size Lc in the c-axis direction of at least 70 nm and a R value of from 0.01 to 0.3 where a R value is a ratio of I_{1350} to I_{1580} in which I_{1350} and I_{1580} are Raman intensities around 1350 cm^{-1} and 1580 cm^{-1} in a Raman spectrum measured by exciting a carbonaceous material with an argon laser having a wavelength of 514.5 nm, **[[and]]** wherein said non-aqueous electrolytic solution contains 0.5 to 5% by weight of vinylene carbonate or its derivative, and wherein said negative electrode comprises a mixture of a cellulose ether compound and a butadiene copolymer rubber in a weight ratio of 1:1 to 1:15 as a binder.

2. (Original) The lithium ion secondary cell according to claim 1, wherein said carbonaceous material is natural graphite.

3. (**Currently Amended**) The lithium ion secondary cell according to claim **[[2]]** 1, wherein said **[[natural graphite]]** carbonaceous material has a R value of 0.1 to 0.3.

4. (Original) The lithium ion secondary cell according to claim 1, wherein said non-aqueous electrolytic solution contains 1.2 to 4% by weight of vinylene carbonate or its derivative.

5. (Cancelled)

6. (**NEW**) The lithium ion secondary cell according to claim 1, wherein said carbonaceous material has a discharge capacity of at least 350 mAh/g.

7. (**NEW**) The lithium ion secondary cell according to claim 1, wherein said carbonaceous material has a spacing d_{002} of 0.3356 nm or less.

8. (**NEW**) A lithium ion secondary cell comprising a positive electrode and a negative electrode which are spirally wound with inserting a separator therebetween and a non-aqueous electrolytic solution wherein said negative electrode comprises a negative electrode active material containing a carbonaceous material having a spacing d_{002} of 0.3360 nm or less where the spacing d_{002} is a plane distance of (002) planes measured by a X-ray diffraction method, a crystal size Lc in the c-axis direction of at least 70 nm and a R value of from 0.01 to 0.3 where a R value is a ratio of I_{1350} to I_{1580} in which I_{1350} and I_{1580} are Raman intensities around 1350 cm^{-1} and 1580 cm^{-1} in a Raman spectrum measured by exciting a carbonaceous material with an argon laser having a wavelength of 514.5 nm, wherein said non-aqueous electrolytic solution contains 0.5 to 5% by weight of vinylene carbonate or its derivative, and wherein said negative electrode contains a mixture of a cellulose ether compound and a butadiene copolymer rubber in an amount of 5% by weight or less.

9. (**NEW**) A box-shaped lithium ion secondary cell comprising a positive electrode and a negative electrode which are spirally wound with inserting a separator therebetween and pressed in a flat form and a non-aqueous electrolytic solution wherein said negative electrode comprises a negative

electrode active material containing a carbonaceous material having a spacing d_{002} of 0.3360 nm or less where the spacing d_{002} is a plane distance of (002) planes measured by a X-ray diffraction method, a crystal size Lc in the c-axis direction of at least 70 nm and a R value of from 0.01 to 0.3 where a R value is a ratio of I_{1350} to I_{1580} in which I_{1350} and I_{1580} are Raman intensities around 1350 cm^{-1} and 1580 cm^{-1} in a Raman spectrum measured by exciting a carbonaceous material with an argon laser having a wavelength of 514.5 nm, and wherein said non-aqueous electrolytic solution contains 0.5 to 5% by weight of vinylene carbonate or its derivative.

10. **(NEW)** The box-shaped lithium ion secondary cell according to claim 9, wherein said negative electrode comprises a mixture of a cellulose ether compound and a butadiene copolymer rubber in a weight ratio of 1:1 to 1:15 as a binder.